Long hand method:

L0 = 0.3 Theta0 = 0.4 radians

L1 = 0.2 Theta1 = 0.6 radians

L2 = 0.1 Theta2 = 1.2 radians

X0 = L0 * cos(Theta0) = 0.2763

Y0 = L0 * sin(Theta0) = 0.1168

X1 = X0 + L1*cos(Theta0 + Theta1) = 0.3844

Y1 = Y0 + L1*sin(Theta0 + Theta1) = 0.2851

X2 = X1 + L2*cos(Theta0 + Theta1 + Theta2) = 0.3255

Y2 = Y1 + L2*sin(Theta0 + Theta1 + Theta2) = 0.3659

Z2 = 0 (because we don’t go in z direction)